

EUROPEAN PATENT APPLICATION

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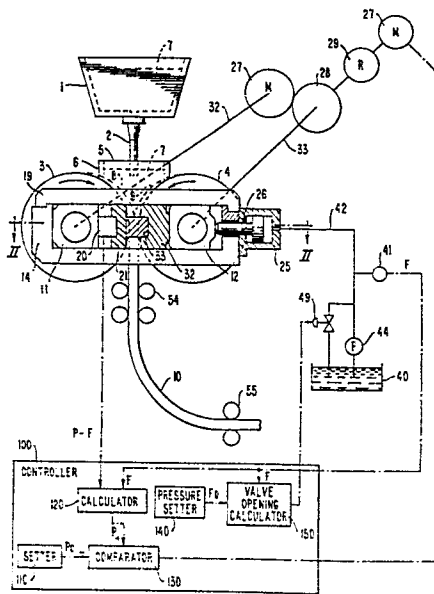
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European Patent
Office

EUROPEAN SEARCH REPORT

0194628

Application number

EP 86 10 3158

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
A	US-A-4 380 262 (ADLER et al.) * claims 1-6 *	1	B 22 D 11/06 B 21 B 1/46
A	--- EP-A-0 081 175 (KAWASAKI) * claims 1,4,5 *	1	
A	--- PATENT ABSTRACTS OF JAPAN, vol. 8, no. 132 (M-303)[1569], 20th June 1984; & JP - A - 59 33059 (SHIN NIPPON SEIETSU) 22-02-1984	1	
D, A	--- PATENT ABSTRACTS OF JAPAN, vol. 8, no. 54 page 3 M 282, 10th March 1984; & JP - A - 58 205 655 (KAWASAKI SEITETSU) 30-11-1983 -----	1, 2	
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			B 22 D 11/00 B 21 B 1/00
The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 20-02-1987	Examiner GOLDSCHMIDT G
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			